

Report Date: 26 Mar 2014

**Summary Report for Individual Task
031-627-3041
Provide Technical Advice on Toxic Industrial Chemicals
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: You are the CBRN Officer/Noncommissioned Officer (NCO) directed to brief the commander on toxic (TICs) industrial chemicals within your area of operation (AO). Given Field Manual (FM) 3-11 and FM 3-11.4. Some iterations of this task should be performed in MOPP 4.

Standard: Provide technical advice on toxic industrial chemicals in accordance with (IAW) FM 3-11 and FM 3-11.4.

Special Condition: None

Safety Level: Low

MOPP: Sometimes

Task Statements

Cue: None

<div>DANGER</div> <div>None</div>
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<div>WARNING</div> <div>None</div>

<div>CAUTION</div> <div>None</div>

Remarks: None

Notes: TICs are considered plausible candidates for terrorist activities. In general, the risk of a toxic industrial chemical being used as a weapon depends on the severity of effects that it may cause and the probability that it may be obtained and released in large quantities.

Performance Steps

1. Advise commander on the four toxic industrial chemicals categories:
 - a. Corrosive.
 - b. Flammable.
 - c. Explosive.
 - d. Combustible.
2. Advise the commander on the four forms in which TICs can be released:
 - a. Gases.
 - b. Liquids.
 - c. Liquefied gases.
 - d. Solids.
3. List three possible groups that would use TICs. (This list is not all inclusive).
 - a. Industry.
 - b. Government.
 - c. Academia.
4. List three areas to monitor where TICs might reside in high concentration.
 - a. Buildings.
 - b. Woods.
 - c. Any area with low air circulation.
5. Advise the commander that military respirators and protective clothing may provide only limited protection against TICs and may perform better or worse than similar commercial equipment.
6. List four locations where a CBRN staff would use the commander-classified TIC list from FM 3-11 (Table A-1) and FM 3-11.4 (Table E-1) to monitor for TIC activity.
 - a. Major rail transport.
 - b. Sea transfer.
 - c. Off-loading facilities.
 - d. Production facilities.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed (P). Score the Soldier NO-GO if any performance measure is failed (F). If any performance measure is failed, show the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Setup: Provide the Soldier with the items listed in the task condition statement. Brief Soldier: Tell the Soldier to advise the commander on the implications of potential TICs, characteristics of TICs, and protective measures of TICs.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Advised commander on the four toxic industrial chemicals categories:			
a. Corrosive.			
b. Flammable.			
c. Explosive.			
d. Combustible.			
2. Advised the commander on the four forms in which TICs can be released:			
a. Gases.			
b. Liquids.			
c. Liquefied gases.			
d. Solids.			
3. Listed three possible groups that would use TICs. (This list is not all inclusive).			
a. Industry.			
b. Government.			
c. Academia.			
4. Listed three areas to monitor where TICs might reside in high concentration.			
a. Buildings.			
b. Woods.			
c. Any area with low air circulation.			
5. Advised the commander that military respirators and protective clothing may provide only limited protection against TICs and may perform better or worse than similar commercial equipment.			
6. Listed four locations where a CBRN staff would use the commander-classified TIC list from FM 3-11 (Table A-1) and FM 3-11.4 (Table E-1) to monitor for TIC activity.			
a. Major rail transport.			
b. Sea transfer.			
c. Off-loading facilities.			
d. Production facilities.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 3-11	Multiservice Doctrine for Chemical, Biological, Radiological, and Nuclear Operations	Yes	Yes
	FM 3-11.4	Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection	Yes	Yes

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so you

will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. Everyone is responsible for safety. A thorough risk assessment must be completed prior to every mission or operation.

Prerequisite Individual Tasks : None

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
031-507-3027	Select Detailed Equipment Decontamination Site	031 - CBRN (Individual)	Approved
031-503-1016	Implement Mission-Oriented Protective Posture (MOPP)	031 - CBRN (Individual)	Approved
031-507-3014	Supervise Decontamination Procedures	031 - CBRN (Individual)	Approved
031-503-1011	Identify Personal Protective Equipment (PPE)	031 - CBRN (Individual)	Approved
031-507-3001	Plan Decontamination Operations	031 - CBRN (Individual)	Approved
031-510-1001	Protect Yourself From Chemical Hazards Using the Self-Contained Toxic Environment Protective Outfit (STEPO)	031 - CBRN (Individual)	Approved
031-COM-1040	Protect Yourself from CBRN Injury/Contamination with the JSLIST Chemical-Protective Ensemble	031 - CBRN (Individual)	Approved
031-504-3003	Plan Chemical Survey	031 - CBRN (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
031-507-3001	Plan Decontamination Operations	031 - CBRN (Individual)	Approved
031-503-1020	Supervise Positioning of the Chemical-Agent Alarm	031 - CBRN (Individual)	Approved
031-503-3004	Supervise the Crossing of a Contaminated Area	031 - CBRN (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
03-2-9201	Implement CBRN Protective Measures	03 - CBRN (Collective)	Approved
03-2-9312	Conduct Thorough Decontamination	03 - CBRN (Collective)	Approved
03-2-6594	Establish Area of Operations	03 - CBRN (Collective)	Approved
03-2-5124	Establish Mass Casualty Decontamination (MCD) Site	03 - CBRN (Collective)	Approved
03-6-0071	Respond to a Chemical Agent Attack	03 - CBRN (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
ALC CTL 2011	Enlisted	MOS: 74D, Skill Level: SL3